

In the claims:

Please amend Claims 1-3, 5, 7, 11, 15, 18, 21, 23 and 28 as indicated in the following Claims Listing.

CLAIMS LISTING

1. (Currently Amended) An orthosis comprising a single, unitary body comprising:
 - a generally spiral-shaped lower leg portion that, when the orthosis is worn by a wearer, covers at least a portion of [the] an anterior surface of the wearer's lower leg and at least a portion of [the] a posterior surface of the wearer's lower leg; and
 - a foot plate portion that, when the orthosis is worn, accepts the wearer's foot, wherein the lower leg portion is configured to spiral upward from the foot plate portion and make contact with [an] the anterior surface of the wearer's lower leg prior to making contact with [a] the posterior surface of the wearer's lower leg as the lower leg portion ascends,
 - wherein the foot plate portion and an axis of the spiral-shaped lower leg portion are disposed at an acute angle with respect to one another and wherein a difference between the angle and 90 degrees is greater than about 2 degrees to inhibit hyperextension of the wearer's knee.
2. (Currently Amended) The orthosis of claim 1, wherein the foot plate portion comprises:
 - an anterior section; and
 - a posterior section,
 - wherein, when the orthosis is worn, the wearer's toes contact the anterior section and the wearer's heel contacts the posterior section, and wherein the foot plate portion is optionally contoured to complement at least a portion of [the] a plantar surface of the wearer's foot so as to permit the wearer to wear shoes or sandals.
3. (Currently Amended) The orthosis of claim 1, wherein:
 - the unitary body transfers mechanical energy while the wearer is walking;
 - the unitary body uses the transferred mechanical energy to stop the wearer's knee from hyperextending; and
 - the unitary body maintains the wearer's foot in a position that allows the wearer's heel ~~of the person's foot~~ to contact the ground before the rest of the wearer's foot.

4. (Previously Presented) The orthosis of claim 1, wherein the lower leg portion comprises an ascending section that extends from the foot plate section and curves toward the anterior surface of the wearer's lower leg to form a shin section.
5. (Currently Amended) The orthosis of claim 4, wherein, from the shin section, the lower leg portion spirals around at [a] least a portion of a lateral surface of the wearer's lower leg and transitions into a calf section.
6. (Previously Presented) The orthosis of claim 5, wherein the calf section terminates in an upper end of the lower leg portion and begins to spiral back toward the anterior surface of the wearer's lower leg.
7. (Currently Amended) The orthosis of claim 1, wherein [the] an ascension angle at which the lower leg portion spirals upward gradually decreases as the lower leg portion nears the calf of the wearer.
8. (Cancelled)
9. (Previously Presented) The orthosis of claim 1, wherein the unitary body comprises:
 - an inner surface; and
 - a lining material attached to the inner surface.
10. (Original) The orthosis of claim 9, wherein the lining material is removably attached to the inner surface.
11. (Currently Amended) The orthosis of claim 9, wherein the lining material is removably attached to the inner surface using ~~Velcro~~TM fabric comprising multiple small loops on one of the lining material and the inner surface and fabric comprising multiple small hooks on the other.
12. (Previously Presented) The orthosis of claim 1, wherein the unitary body is made of composite carbon fiber.
- 13.-14. (Cancelled)
15. (Currently Amended) The orthosis of claim 1,
 - ~~wherein the foot plate portion and the lower leg portion are disposed at an angle with~~
 - ~~respect to one another, and~~
 - wherein the difference between the angle and 90 degrees is between about 7 degrees and about 14 degrees.
- 16.-17. (Cancelled)

18. (Currently Amended) The orthosis of claim 1,
~~wherein the foot plate portion and the lower leg portion are disposed at an angle with~~
~~respect to one another, and~~
wherein the difference between the angle and 90 degrees is between about 20 degrees and
about 25 degrees.
19. (Cancelled)
20. (Previously Presented) The orthosis of claim 1,
wherein the foot plate portion comprises a front edge and a back edge, and
wherein the back edge is elevated above the front edge.
21. (Currently Amended) The orthosis of claim 1,
wherein the foot plate portion comprises a front edge and a back edge, and
wherein [the] a first distance between the back edge and ground level is about twice [the]
a second distance between the front edge and ground level.
22. (Cancelled)
23. (Currently Amended) The orthosis of claim 1,
wherein the foot plate portion comprises an anterior section and a posterior section, and
wherein [the] a difference in elevation between the anterior section and the posterior
section is greater than 0 centimeters and no greater than about 3 centimeters.
- 24.-27. (Cancelled)
28. (Currently Amended) The orthosis of claim 1,
wherein the foot plate portion comprises a medial side and a lateral side, and
wherein [the] a difference in elevation between the medial side and the lateral side is
greater than 0 millimeters and no greater than about 10 millimeters.
- 29.-32. (Cancelled)
33. (Previously Presented) The orthosis of claim 1, wherein the foot plate portion has a
substantially flat outer surface.